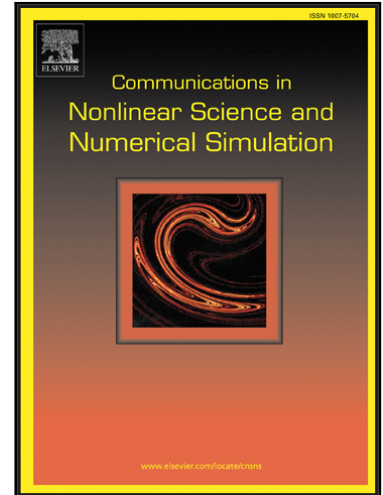


## Accepted Manuscript

Magnetohydrodynamic Natural Convection Flow in a Vertical  
Micro-Porous-Channel in the Presence of Induced Magnetic Field

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**Highlight**

- An analytical solution for **steady** fully developed MHD natural convection flow in **vertical** micro-porous-channel is presented.
- The velocity slip and temperature jump at the micro-porous-channel surfaces are taken into account.
- Exact solutions have been obtained for the velocity field, the induced magnetic field and the temperature field.
- The expressions for the induced current density and skin friction have also been obtained. The solutions obtained are graphically represented

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